

FORM PTO-1390  
(Rev 5-93)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

NITROF P66AUS

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. 10/583912

INTERNATIONAL APPLICATION NO.

PCT/FR2004/003332

INTERNATIONAL FILING DATE

December 22, 2004

PRIORITY DATE CLAIMED

December 23, 2003

TITLE OF INVENTION

## HEAT EXCHANGER

APPLICANT(S) FOR DO/EO/US

Jean-Claude HEITZLER, Christian MULLER and Jean-Louis DUPIN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
  3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
  4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
    - b. ☒ has been transmitted by the International Bureau. (PCT/IB/308 mailed July 14, 2005)
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
  6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)) is attached.
  7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
    - b. ☐ have been transmitted by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☒ have not been made and will not be made.
  8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
  9. ☒ An Unsigned oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11. to 16. below concern other document(s) or information included:
11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with PTO/SB/08a/08b.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
  13. ☒ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
  14. ☐ A substitute specification w/Marked-Up Version of Amended Specification.
  15. ☐ A change of power of attorney and/or address letter.
  16. ☒ Other items or information:

- ☒ Written Opinion
- ☐ Annexes to Pre. Ex. Rep.
- ☒ International Search Report
- ☐ German Novelty Search Report
- ☒ 4 copies of citations
- ☒ Form PCT/IB/308
- ☒ International Publ. No. WO 2005/064245 (Face page only)

- ☒ Copy of Request
- ☒ Submission of Formal Drawings
- ☒ 16 sheets of formal drawings
- ☒ Abstract
- ☒ Applicant Claims Small Entity Status
- ☐ Copy of Notification of File Missing Parts
- ☐ German Language Specification

## CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Transmittal Letter and the papers indicated as being transmitted therewith is being deposited with the United States Postal Service on this date June 20, 2006 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number ER 469102053 US addressed to the: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Michael J. Bujold

(typed or printed name of person mailing paper)

(signature of person mailing paper)

17. ■ The following fees are submitted:

Basic National Fee (37 CFR 1.492(a)(5)):

Search Report has been prepared by the EPO or JPO ..... \$1000.00

International preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(1) .. \$750.00

No international preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(2)  
but international search fee paid to USPTO (37 CFR 1.445(a)(2)). ..... \$790.00Neither international preliminary examination fee (37 CFR 1.492)(a)(3)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1,110.00International preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(4)  
and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

CALCULATIONS

PTO USE ONLY

900

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months  
from the earliest claimed priority date (37 CFR 1.492(e)).

0

Claims

Number Filed

Number Extra

Rate

Total Claims

16-20 =

0

x \$ 50.00

0

Independent  
Claims

1-3 =

0

x \$200.00

0

Multiple dependent claim(s) (if applicable)

+ \$360.00

0

TOTAL OF ABOVE CALCULATIONS =

900

Reduction by 1/2 for filing by small entity, if applicable. Applicant Claims Small Entity  
Status. (Note 37 CFR 1.9, 1.27, 1.28).

450

SUBTOTAL =

450

Processing fee of \$130.00 for furnishing the English translation later the ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(f)).

+

0

TOTAL NATIONAL FEE =

450

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

0

TOTAL FEES ENCLOSED =

450

Amount to be:  
refunded

\$

charged

\$

a. ■ A check in the amount of \$ 450 to cover the above fees is enclosed.b. ☐ Please charge my Deposit Account No. 04-0213 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.c. ■ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
Deposit Account No. 04-0213. A duplicate copy of this sheet is enclosed.NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a)  
or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Michael J. Bujold - Registration No. 32,018

CUSTOMER NO. 020210

Davis &amp; Bujold, P.L.L.C.

Fourth Floor

500 North Commercial Street

Manchester, NH 03101-1151

Telephone (603) 624-9220

Telefax (603) 624-9229

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Jean-Claude HEITZLER, Christian MULLER and Jean-Louis DUPIN
Serial no.	:	
Filed	:	with an effective filing date of December 22, 2004
For	:	HEAT EXCHANGER
Group Art Unit	:	
Examiner	:	
Docket	:	NITROF P66AUS

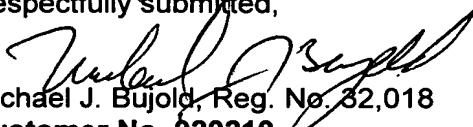
The Commissioner for Patents  
U.S. Patent & Trademark Office  
P. O. Box 1450  
Alexandria, VA 22313-1450

**SUBMISSION OF FORMAL DRAWINGS**

Enclosed please find sixteen (16) sheets of new formal drawings which are to be entered in this case.

In the event that there are any fee deficiencies or additional fees are payable, please charge the same or credit any overpayment to our Deposit Account (Account No. 04-0213).

Respectfully submitted,

  
Michael J. Bujold, Reg. No. 32,018  
**Customer No. 020210**  
Davis & Bujold, P.L.L.C.  
112 Pleasant Street  
Concord, NH 03301-2931  
Telephone 603-226-7490  
Facsimile 603-226-7499  
E-mail: [patent@davisandbujold.com](mailto:patent@davisandbujold.com)